

Ques 1

Code:

```
#include <stdio.h>
#include <unistd.h>

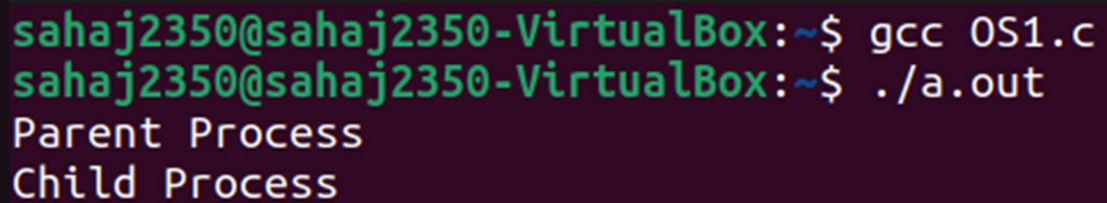
int main()
{
    int a;
    a = fork();

    if (a == 0) {

        printf("Child Process\n");
    } else if (a > 0) {
        printf("Parent Process\n");
    } else {
        printf("Fork failed\n");
    }

    return 0;
}
```

Output:

A terminal window with a dark background and green text. It shows the compilation of a C program named 'OS1.c' using 'gcc', followed by running the resulting executable 'a.out'. The output of the program is displayed on two separate lines: 'Parent Process' and 'Child Process'.

```
sahaj2350@sahaj2350-VirtualBox:~$ gcc OS1.c
sahaj2350@sahaj2350-VirtualBox:~$ ./a.out
Parent Process
Child Process
```